



Joint Capability Technology Demonstration Program

Overview

The Joint Capability Technology Demonstration (JCTD) program directly addresses Joint, Coalition, and/or Interagency capability needs expressed by Combatant Commands (COCOMs). Due to significant successes since inception of the program (initially the Advanced Capability Technology Demonstration (ACTD) Program), the JCTD Program is now viewed by COCOMs as a primary means to rapidly develop, assess, and transition needed capabilities. Through partnering with other solution providers and resource sponsors, the JCTD Program has been able to amplify its value to the COCOMs:

- **Providing Enduring Capabilities:** Since Jun 2006 93% of completed JCTDs have successfully transitioned capabilities to warfighters. During the period 199X to 2005, 70% of completed ACTD projects successfully transitioned their products.
- **Facilitating Rapid Delivery of COCOM Requested Capabilities:** When a COCOM capability need is identified, a JCTD project can often be executed before the traditional PPBE cycle is ready to provide funding. A summary of ACTD/JCTDs that have been used in operation::
 - Afghanistan – Products from at least 54 ACTD/JCTDs have supported Operation Enduring Freedom
 - Iraq – Products from at least 73 ACTD/JCTDs have supported Operation Iraqi Freedom
 - Haiti – Products from 9 ACTD/JCTDs support Operation United Response
 - Defense of US Skies after 9/11 – at least 11 ACTDs supported Operation Noble Eagle
 - Kosovo – At least 16 ACTDs supported Operation Allied Force

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- Products from at least five ACTDs supported operations in Bosnia
- Other operations/events – ACTD/JCTDs have supported at least 13 other operations/events since 1995

Most of those capabilities would have been significantly delayed and some would not have been delivered at all – without the JCTD program.

- **Enabling Cooperative Coalition Development, Leveraging Friendly Nation Expertise and Resources:** Approximately 30% of JCTD projects involve some coalition participation. As a result of successful past collaborations, the program now enjoys routine interactions with the United Kingdom, Canada, Australia, the Republic of Korea, and the Republic of Singapore.
- **Enables Interdepartmental Cooperation:** Recent examples of interdepartmental collaborations with the Department of Homeland Security, Department of State, and Department of Transportation support the delivery of maritime awareness, air domain information sharing, and tunnel detection and characterization capability
- **Initiates Rapid Response to New Department of Defense Priorities before Service PPBE Cycles Can Respond:** For example, the Department has recently established priorities for Building Partner Capacity, understanding human terrain, and nuclear forensics. The JCTD Program quickly responded and is providing initial capabilities that are transitioning to Service efforts.